sensor response time, and may be changed according to the **sensors** used and the particular conditions of use.

DETDESC:

DETD(96)

Referring . . . call the menu up on display 90. The menu will display an appropriate message such as "menu 1. Calibrate CO/CO2 **sensor**. Activate button #1 to start". The operator then presses button #1 which begins the calibration sequence 130. The calibration sequence. . .

DETDESC:

DETD(104)

One . . . concentration of a patient. The determination is made immediately following acquisition of the breath sample and is thus performed in **real-time**. It overcomes the above-noted problems of the prior art techniques. Another advantage of the invention is that it provides a. . .

CLAIMS:

CLMS(1)

We . . .

1. A method of filtering a gas sample for use with a non-invasive end-tidal gas flow monitor containing a first **sensor** for detecting the amount of a first gas component in a gas sample, a second **sensor** for detecting the amount of a second gas component in the gas sample, a first connector in communication with the first **sensor**, a second connector in communication with the first **sensor**, a third connector in communication with the second **sensor**, comprising:
providing a body having a first end and a second end and first, second, and third lumens extending through. . .

CLAIMS:

CLMS(16)

16. . . . claim 14 wherein the passing step further comprises passing said gas sample, in sequence, through said hydrophobic filter, said first **sensor**, said first consumable filtration medium, and said second **sensor**.

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     (FILE 'USPAT' ENTERED AT 14:10:26 ON 22 JUL 1999)
L1          5895 S (BREATH OR BREATHING) AND (NOSE OR NOSTRIL OR MOUTH?)
L2          1473 S L1 AND AIR FLOW
L3            98 S REAL TIME AND L2
L4            88 S L3 AND SENSOR?
L5            33 S L4 AND ACOUST?
L6            31 S L5 AND VIBRAT?
L7             5 S L6 AND MICROPHONE
L8             4 S L7 AND OXYGEN
L9             0 S L8 AND OXYGEN FLOW
L10            3 S L8 AND NOISE
L11            0 S (DECIBEL OR DECIBELS) AND L10
L12            3 S L10 AND SOUND INTENSITY
L13            0 S L12 AND DISPLAY
L14            3 S L12 AND NOISE
L15           18 S L1 AND SOUND INTENSITY
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L16	4	S	DECIBE? AND L15
L17	1	S	L2 [redacted]D L16
L18	87	S	L1 [redacted]D NASAL CANNULA
L19	11	S	L18 AND L3
L20	11	S	L19 AND L4
L21	0	S	L20 AND L5
L22	2	S	L20 AND (MICROPHONE OR MIC OR MIC.)
L23	38	S	NASAL CANNULA AND AIR FLOW
L24	24	S	L23 AND SENSOR?
L25	0	S	L24 AND (SOUND INTENSITY OR DECIBEL OR DECIBELS)
L26	4	S	L24 AND (MICROPHONE OR MIC OR MIC. OR VIBRATOR?)

#	Patent	Source	Flag	Issue Date	Pages	Current Original Classif	Retrieval Classif	Current Cross Reference	
1	5,921,942	U	U	07/13/1999	11	600/529		607/42	
2	5,904,141	U	U	05/18/1999	35	128/204.23		128/204.21	
3	5,901,704	U	U	05/11/1999	36	128/204.23		128/204.21	
4	5,853,005	U	U	12/29/1998	28	600/459		5/83.1	...
5	5,845,636	U	U	12/08/1998	38	128/204.23		128/204.21	
6	5,823,187	U	U	10/20/1998	35	128/204.23		128/204.21	...
7	5,794,614	U	U	08/18/1998	40	128/204.21		128/202.22	...
8	5,792,067	U	U	08/11/1998	12	600/534		128/848	...
9	5,704,345	U	S	01/06/1998	33	128/204.23		128/204.21	...
10	5,551,418	U	U	09/03/1996	34	128/204.23		128/204.21	
11	5,549,106	U	U	08/27/1996	41	128/204.23		128/204.21	...
12	5,522,382	U	U	06/04/1996	22	128/204.23		128/204.21	...
13	5,492,113	U	U	02/20/1996	24	128/204.23		128/204.21	...
14	5,259,373	U	U	11/09/1993	41	128/204.23		128/204.18	...
15	5,245,995	U	U	09/21/1993	22	128/204.23		128/205.25	...
16	5,199,424	U	U	04/06/1993	20	128/204.18		128/204.23	...
17	5,134,995	U	U	08/04/1992	44	128/204.23		128/204.21	...
18	4,387,722	U	U	06/14/1983	59	600/529		378/95	
19	4,289,142	U	U	09/15/1981	67	600/529		600/536	

From APS #1

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#1

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     (FILE 'USPAT' ENTERED AT 14:10:26 ON 22 JUL 1999)
L1          5895 S (BREATH OR BREATHING) AND (NOSE OR NOSTRIL OR MOUTH?)
L2          1473 S L1 AND AIR FLOW
L3            98 S REAL TIME AND L2
L4            88 S L3 AND SENSOR?
L5            33 S L4 AND ACOUST?
L6            31 S L5 AND VIBRAT?
L7             5 S L6 AND MICROPHONE
L8             4 S L7 AND OXYGEN
L9             0 S L8 AND OXYGEN FLOW
L10            3 S L8 AND NOISE
L11            0 S (DECIBEL OR DECIBELS) AND L10
L12            3 S L10 AND SOUND INTENSITY
L13            0 S L12 AND DISPLAY
L14            3 S L12 AND NOISE
L15           18 S L1 AND SOUND INTENSITY
L16            4 S DECIBE? AND L15
L17            1 S L2 AND L16
L18           87 S L1 AND NASAL CANNULA
L19           11 S L18 AND L3
L20           11 S L19 AND L4
L21            0 S L20 AND L5
L22            2 S L20 AND (MICROPHONE OR MIC OR MIC.)
L23           38 S NASAL CANNULA AND AIR FLOW
L24           24 S L23 AND SENSOR?
L25            0 S L24 AND (SOUND INTENSITY OR DECIBEL OR DECIBELS)
L26            4 S L24 AND (MICROPHONE OR MIC OR MIC. OR VIBRATOR?)
L27            2 S L26 AND REAL TIME
L28          493 S HELMHOLTZ RESONAT?
L29           58 S L28 AND (NASAL CANNULA OR NOSE OR NOSTRIL OR MOUTH)
L30            0 S L28 AND RESPRIRAT?
L31            2 S RESPIRAT? AND L28
L32            7 S L29 AND (SENSOR? OR SENSOR)
L33            4 S L32 AND (MIC OR MIC. OR MICROPHONE OR AUDIB?)
L34            0 S L33 AND NASAL CANNULA
L35            0 S L33 AND 600/500-545/CCLST
L36           67 S HELMHOLTZ AND 600/300-545/CCLST
L37            4 S L36 AND (NOSE OR NOSTRIL OR MOUTH OR NASAL OR NASAL CANN
ULA
L38            1 S RESPIRATORY DISTURBANCE INDEX OR RDIPLUS
L39            8 S APNEA PER HOUR OR APNEAS PER HOUR OR HYPOPNEA PER HOUR O
R H
L40            0 S L14 AND L39
L41            4 S L39 AND (NOSE OR MOUTH OR NOSTRIL OR NASAL CANNULA)
L42            1 S L41 AND SENSOR?
L43         1680 S (APENA OR HYPOPNEA OR SLEEP) AND SENSOR
L44            0 S L43 AND AUDIBLE SENSOR
L45          188 S L43 AND (MICROPHONE OR MIC. OR MIC)
L46           55 S L45 AND (MOUTH OR NOSE OR NOSTRIL OR NASE OR NASAL CANNU
LA)
L47           17 S L46 AND PRESSURE TRANSDUCER
L48           17 S L47 AND (AIRFLOW OR AIR FLOW)
L49           17 S L48 AND (BREATHING OR BREATH)
L50            4 S L49 AND (REAL TIME OR REAL-TIME)
L51            0 S L49 AND NEURAL NETWORK
```

L52 12 S L1 AND NEURAL NETWORK
L53 1 S L52 AND AIR FLOW

=> display l50

ENTER ANSWER NUMBER OR RANGE (1):1-4

ENTER DISPLAY FORMAT (CIT):ti

US PAT NO: 5,921,942 [IMAGE AVAILABLE] L50: 1 of 4
TITLE: Adaptively controlled mandibular positioning device and method of using the device

* US PAT NO: 5,522,382 [IMAGE AVAILABLE] L50: 2 of 4
TITLE: Device and method for treating obstructed **breathing** having a delay/ramp feature

US PAT NO: 5,245,995 [IMAGE AVAILABLE] L50: 3 of 4
TITLE: Device and method for monitoring **breathing** during **sleep**, control of CPAP treatment, and preventing of apnea

US PAT NO: 5,199,424 [IMAGE AVAILABLE] L50: 4 of 4
TITLE: Device for monitoring **breathing** during **sleep** and control of CPAP treatment that is patient controlled

=> display l17

ENTER ANSWER NUMBER OR RANGE (1):1

ENTER DISPLAY FORMAT (CIT):ti

US PAT NO: 5,452,480 [IMAGE AVAILABLE] L17: 1 of 1
TITLE: Ski goggles

=> display l49

ENTER ANSWER NUMBER OR RANGE (1):1-17

ENTER DISPLAY FORMAT (CIT):ti

US PAT NO: 5,921,942 [IMAGE AVAILABLE] L49: 1 of 17
TITLE: Adaptively controlled mandibular positioning device and method of using the device

US PAT NO: 5,904,141 [IMAGE AVAILABLE] L49: 2 of 17
TITLE: **Sleep** apnea treatment apparatus with reset feature

US PAT NO: 5,901,704 [IMAGE AVAILABLE] L49: 3 of 17
TITLE: **Sleep** apnea treatment apparatus with minimum leakage assurance circuit

US PAT NO: 5,845,636 [IMAGE AVAILABLE] L49: 4 of 17
TITLE: Method and apparatus for maintaining patient airway patency

US PAT NO: 5,823,187 [IMAGE AVAILABLE] L49: 5 of 17
TITLE: **Sleep** apnea treatment apparatus with a therapy delay circuit arrangement

US PAT NO: 5,794,614 [IMAGE AVAILABLE] L49: 6 of 17
TITLE: Apparatus for compensating for flow and pressure variances in pneumatic circuits

US PAT NO: 5,792,067 [IMAGE AVAILABLE] L49: 7 of 17
TITLE: Apparatus and method for mitigating **sleep** and other disorders through electromuscular stimulation

US PAT NO: 5,551,418 [IMAGE AVAILABLE] L49: 8 of 17
TITLE: **Sleep** apnea treatment apparatus with reset circuitry

US PAT NO: 5,549,106 [IMAGE AVAILABLE] L49: 9 of 17
TITLE: Inspiratory airway pressure system using constant pressure and measuring flow signals to determine airway patency

US PAT NO: 5,522,382 [IMAGE AVAILABLE] L49: 10 of 17
TITLE: Device and method for treating obstructed **breathing** having a delay/ramp feature

US PAT NO: 5,492,113 [IMAGE AVAILABLE] L49: 11 of 17
TITLE: **Sleep** apnea treatment apparatus having multiple ramp cycles

US PAT NO: 5,259,373 [IMAGE AVAILABLE] L49: 12 of 17
TITLE: Inspiratory airway pressure system controlled by the detection and analysis of patient airway sounds

US PAT NO: 5,245,995 [IMAGE AVAILABLE] L49: 13 of 17
TITLE: Device and method for monitoring **breathing** during **sleep**, control of CPAP treatment, and preventing of apnea

US PAT NO: 5,199,424 [IMAGE AVAILABLE] L49: 14 of 17
TITLE: Device for monitoring **breathing** during **sleep** and control of CPAP treatment that is patient controlled

US PAT NO: 5,134,995 [IMAGE AVAILABLE] L49: 15 of 17
TITLE: Inspiratory airway pressure system with admittance determining apparatus and method

US PAT NO: 4,387,722 [IMAGE AVAILABLE] L49: 16 of 17
TITLE: Respiration monitor and x-ray triggering apparatus

US PAT NO: 4,289,142 [IMAGE AVAILABLE] L49: 17 of 17
TITLE: Physiological occurrence, such as apnea, monitor and X-ray triggering device

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(FILE 'USPAT' ENTERED AT 14:10:26 ON 22 JUL 1999)
L1 5895 S (BREATH OR BREATHING) AND (NOSE OR NOSTRIL OR MOUTH?)
L2 1473 S L1 AND AIR FLOW
L3 98 S REAL TIME AND L2
L4 88 S L3 AND SENSOR?
L5 33 S L4 AND ACOUST?
L6 31 S L5 AND VIBRAT?
L7 5 S L6 AND MICROPHONE
L8 4 S L7 AND OXYGEN
L9 0 S L8 AND OXYGEN FLOW
L10 3 S L8 AND NOISE
L11 0 S (DECIBEL OR DECIBELS) AND L10
L12 3 S L10 AND SOUND INTENSITY
L13 0 S L12 AND DISPLAY
L14 3 S L12 AND NOISE
L15 18 S L1 AND SOUND INTENSITY

L16	4	S	DECIBE? AND L15
L17	1	S	L2 AND L16
L18	87	S	L1 D NASAL CANNULA
L19	11	S	L18 AND L3
L20	11	S	L19 AND L4
L21	0	S	L20 AND L5
L22	2	S	L20 AND (MICROPHONE OR MIC OR MIC.)
L23	38	S	NASAL CANNULA AND AIR FLOW
L24	24	S	L23 AND SENSOR?
L25	0	S	L24 AND (SOUND INTENSITY OR DECIBEL OR DECIBELS)
L26	4	S	L24 AND (MICROPHONE OR MIC OR MIC. OR VIBRATOR?)
L27	2	S	L26 AND REAL TIME
L28	493	S	HELMHOLTZ RESONAT?
L29	58	S	L28 AND (NASAL CANNULA OR NOSE OR NOSTRIL OR MOUTH)
L30	0	S	L28 AND RESPRIRAT?
L31	2	S	RESPIRAT? AND L28
L32	7	S	L29 AND (SENSOR? OR SENSOR)
L33	4	S	L32 AND (MIC OR MIC. OR MICROPHONE OR AUDIB?)
L34	0	S	L33 AND NASAL CANNULA
L35	0	S	L33 AND 600/500-545/CCLST
L36	67	S	HELMHOLTZ AND 600/300-545/CCLST
L37	4	S	L36 AND (NOSE OR NOSTRIL OR MOUTH OR NASAL OR NASAL CANNULA
L38	1	S	RESPIRATORY DISTURBANCE INDEX OR RDIPLUS
L39	8	S	APNEA PER HOUR OR APNEAS PER HOUR OR HYPOPNEA PER HOUR OR H
L40	0	S	L14 AND L39
L41	4	S	L39 AND (NOSE OR MOUTH OR NOSTRIL OR NASAL CANNULA)
L42	1	S	L41 AND SENSOR?
L43	1680	S	(APENA OR HYPOPNEA OR SLEEP) AND SENSOR
L44	0	S	L43 AND AUDIBLE SENSOR
L45	188	S	L43 AND (MICROPHONE OR MIC. OR MIC)
L46	55	S	L45 AND (MOUTH OR NOSE OR NOSTRIL OR NASE OR NASAL CANNULA)
L47	17	S	L46 AND PRESSURE TRANSDUCER
L48	17	S	L47 AND (AIRFLOW OR AIR FLOW)
L49	17	S	L48 AND (BREATHING OR BREATH)